

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/568,745
(Use as many sheets as necessary)				Filing Date	February 21, 2006
				First Named Inventor	Mitsuko IDENO
				Art Unit	1636
				Examiner Name	Not Yet Assigned
Sheet	1	of	4	Attorney Docket Number	1422-0709PUS1

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AA*	US-6,734,014		05-11-2004	Hwu et al.	
AB*	US-5,827,642		10-27-1998	Riddell et al.	
AC*	US-20050042208-A1		02-24-2005	Sagawa et al.	
AD*	US-6,316,257		11-13-2001	Flyer et al.	
AE*	US-5,198,423-A		03-30-1993	Taguchi et al.	
AF*	US-6,692,964		02-17-2004	June et al.	
AG*	US-7,067,318		06-27-2006	June et al.	
AH*	US-7,172,869		02-06-2007	June et al.	
AI*	US-20060246587		11-02-2006	June et al.	
AJ*	US-6,821,778		11-23-2004	Engleman et al.	
AK*	US-5,866,115		02-02-1999	Kanz et al.	
AL*	US-5,102,988-A		04-07-1992	Kimizuka et al.	
AM*	US-2006/0166924-A1		07-27-2006	Kato et al.	
AN*	US-2005/0227354-A1		10-13-2005	Sagawa et al.	
AO*	US-2008/0227204-A1		09-18-2008	Sagawa et al.	

<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
BA	WO-9833888		08-06-1998		
BB	WO-9812306		03-26-1998		
BC	WO-8901942		03-09-1989		
BD	JP-4297494		10-21-1992		ABS
BE	JP-6306096		11-01-1994		ABS
BF	JP-2001314183		11-13-2001		ABS
BG	EP-0870839		10-14-1998		
BH	EP-0795606-A1		09-17-1997		
BI	JP-11505419		05-21-1999		ABS
BJ	EP-0523948		01-20-1993		
BK	WO-9616674		06-06-1996		
BL	WO-9933869		07-08-1999		
BM	WO-9705239		02-13-1997		

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with a single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08b (11-08)

Approved for use through 12/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<b>Complete if Known</b>	
				Application Number	10/568,745
				Filing Date	February 21, 2006
				First Named Inventor	Mitsuko IDENO
				Art Unit	1636
				Examiner Name	Not Yet Assigned
Sheet	2	of	4	Attorney Docket Number	1422-0709PUS1

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
BN	WO-9606929	03-07-1996			
BO	JP-3104178-B2	05-01-1991			ABS
BP	JP-2729712	03-18-1998			ABS
BQ	WO-9718318	05-22-1997			ABS
BR	WO-9711604	03-04-1997			
BS	WO-9528479	10-23-1995			ABS
BT	JP-9-25299-A	01-28-1997			ABS
BU	WO-00/56368-A1	09-28-2000			ABS
BV	WO-2003/080817-A1	10-02-2003			ABS

<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
CA	SHUN et al., Zhongguo Haiyang Yaowu Drugs, 14(3); 9-13, 1995				ABS
CB	Mizobata, J. Wakayama Med. Soc., 46, 457-467				ABS
CC	Ikunoshin Kato et al.; Jpn. J. Phycol.; March 2000, Vol. 48, pp. 13-19				
CD	Kohei Noguchi et al.; Anticancer Research, 1995, Vol. 15, pp. 255-288.				
CE	Maria A. BEDNAREK et al.; The Journal of Immunology, Vol. 147, No. 12, pp. 4047-4053, December 15, 1991.				
CF	J. Carter et al.; Immunology 1986, Vol. 57, pp. 123-139				
CG	Joseph P. UBERTI et al.; Clinical Immunology and Immunopathology, Vol. 70, No. 3, March, 1994, pp. 234-240				
CH	Galandrini et al.; J. of Immunology, 1994, v. 153, pages 21-31				
CI	S. MIZOBATA et al.; British Journal of Cancer, Vol. 74, No. 10, pp. 1598-1604, November 1996.				
CJ	B. YBARRONDO et al.; Immunology, Vol. 91, No. 2, pp. 186-192, June 1997.				

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(ii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/568,745
<i>(Use as many sheets as necessary)</i>				Filing Date	February 21, 2006
				First Named Inventor	Mitsuko IDENO
				Art Unit	1636
				Examiner Name	Not Yet Assigned
Sheet	3	of	4	Attorney Docket Number	1422-0709PUS1

<b>NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	CK	Yoji SHIMIZU et al.; Journal of Immunology, Vol. 145, no. pp. 59-67, July 1, 1990.		
	CL	Gabriella PALMIERI et al.; Journal of Immunology, Vol. 155, No. 11, pp. 5314-5322, December 1, 1995.		
	CM	Mark AVDALOVIC et al.; Immunology Letters, Vol. 35, No. 2, pp. 101-108, February 1993.		
	CN	Laurie S. DAVIS et al.; Journal of Immunology, Vol. 145, No. 3, pp. 785-793, August 1, 1990.		
	CO	Michael D. PIERSCHBACHER et al.; Cell; Vol. 26, No. 2, pp. 259-267, October 1981.		
	CP	RAO et al., J. Immunol. Vol. 165 (2000) pp. 4935-4940		
	CQ	Nunclon product information, VWRLabshop, page 1 (Website search date April 19, 2007)		
	CR	Ostergaard et al. Eur. J. immunol. Vol. 25 (1995) pp. 252-256		
	CS	POLLOK et al., J. Virol. Vol. 72 (1998) pp. 4882-4892		
	CT	CHEN et al., J. Immunol. Vol. 153 (1994) pp. 3630-3638		
	CU	YONEDA et al., Exp. Cell Res. vol 217 (1995) pp. 169-179		
	CV	ROSTAGNO et al., Biochem J. Vol. 338 (1999) pp. 375-386		
	CW	KORNBLIHTT et al., FASEB J., Vol. 10 (1996) pp. 248-257		
	CX	Galandrini et al., "CD44 Triggering Enhances Human NK Cell Cytotoxic Functions," J. Immunol. Vol. 153, pp. 4399-4407 (November 1994) (Abstract Only)		
	CY	Galandrini et al., "Ligation Of The Lymphocyte Homing Receptor CD44 Triggers T-Helper And Cytolytic Functions Of Human T-Cells," Cytotechnology, Vol. 11, Suppl. 1, pp.S100-S102 (1993) (Abstract Only)		
	CZ	Genetic Medicine, 1999, 32:114-119		✓
	CA1	PAUL et al., "Long-term growth and cloning of non-transformed lymphocytes," Nature, Vol. 294, pp. 697-699.		
	CB1	Johannes et al. J. Clin. Invest, 1998, V.102, pages 1051-1061.		
	CC1	Masashi TANI et al., "Gan Tokuiteki Men'eki Ryoho-CTL Ryoho no Genjo to Shorai", Cancer Therapy & Host, 2000, Vol. 12, No. 4, p. 330-5, page 330, lower right part, colum 2		
	CD1	Seth A. et al., T-cell-receptor-independent activation of cytolytic activity of cytotoxic T lymphocytes mediated through CD44 and gp 90MEL-14, Proc. Natl. Acad. Sci. USA, 1991, Vol. 88, No. 17, P. 7877-81.		
	CE1	Atsushi ARUGA et al.; Biotherapy, 1998, Vol. 12, No. 5, pp. 875-877.		
	CF1	Riddell et al. Science 1992, V.257 pages 238-241		
	CG1	GALANDRINI et al.; The Journal of Immunology; Vol. 150, pp. 4225-4235, No. 10, May 15, 1993.		

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

<p>Substitute for form 1449/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(Use as many sheets as necessary)</i></p>				<b>Complete if Known</b>	
				Application Number	10/568,745
				Filing Date	February 21, 2006
				First Named Inventor	Mitsuko IDENO
				Art Unit	1636
				Examiner Name	Not Yet Assigned
Sheet	4	of	4	Attorney Docket Number	1422-0709PUS1

<b>NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	CH1	Erkki RUOSLAHTI et al., The Journal of Biological Chemistry; Vol. 256, No. 14, July 25, 1981, pp. 7277-7281.		T <sup>2</sup>
	CI1	Albert R. KORNBLIHTT et al.; The EMBO Journal, Vol. 4, No. 7, pp. 1755-1759, 1985.		
	CJ1	Lehnert et al., Eur. J. Immunol., 1998, Vol. 28, pp. 3605-3615.		
	CK1	Pozo et al., The Journal of Cell Biology, 1995, Vol. 131, No. 2, pp.495-508.		
	CL1	Janeway and Travers, 1997, Immunobiology, page 4:2.		
	CM1	Kiyotoshi SEKIGUCHI et al., Biochemistry Vol. 25, pp. 4936-4941, 1986.		
	CN1	Restriction Office Action from co-pending Appl. No. 11/831,423 dated March 5, 2009.		
	CO1	Advisory Action from co-pending Appl. No. 10/509,055 dated May 8, 2008.		
	CP1	Non-Final Office Action from co-pending Appl. No. 10/509,055 dated August 21, 2008.		
	CQ1	Final Office Action from co-pending Appl. No. 10/509,055 dated February 23, 2009.		
	CR1	Final Office Action from co-pending Appl. No. 10/509,055 dated December 21, 2007.		
	CS1	Non-Final Office Action from co-pending Appl. No. 10/509,055 dated May 11, 2007.		
	CT1	Restriction Office Action from co-pending Appl. No. 10/509,055 dated January 29, 2007.		
	CU1	Final Office Action from co-pending Appl. No. 10/486,512 dated January 5, 2009.		
	CV1	Final Office Action from co-pending Appl. No. 10/486,512 dated May 30, 2008.		
	CW1	Non-Final Office Action from co-pending Appl. No. 10/486,512 dated October 10, 2007.		
	CX1	Final Office Action from co-pending Appl. No. 10/486,512 dated February 23, 2007.		
	CY1	Restriction Office Action from co-pending Appl. No. 10/486,512 dated April 24, 2006.		
	CZ1	Non-Final Office Action from co-pending Appl. No. 10/486,512 dated July 25, 2006.		
	CA2	Restriction Office Action from co-pending Appl. No. 10/344,534 dated June 20, 2005.		
	CB2	Non-Final Office Action from co-pending Appl. No. 10/344,534 dated October 11, 2005.		
	CC2	Final Office Action from co-pending Appl. No. 10/344,534 dated March 28, 2006.		
	CD2	Non-Final Office Action from co-pending Appl. No. 10/344,534 dated September 25, 2006.		
	CE2	Final Office Action from co-pending Appl. No. 10/344,534 dated May 16, 2007.		
	CF2	Advisory Action from co-pending Appl. No. 10/344,534 dated September 24, 2007.		
	CG2	Advisory Action from co-pending Appl. No. 10/344,534 dated January 18, 2008.		
	CH2	Restriction Office Action from co-pending Appl. No. 11/790,025 dated January 5, 2009.		

Examiner Signature	/Zachary Skelding/	Date Considered	11/04/2009
--------------------	--------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.